

**Lincoln-Lancaster County Health Department Environmental Public Health Division - Air Quality Program** Lincoln, NE 68510

ph: (402) 441-8040 fax: (402) 441-3890

http://www.lincoln.ne.gov/city/health/environ/air.htm

		☐ Revise Previously Submitted Application
Purpose of Application:	✓ Operating Permit Renewal	Revise Previously Submitted Application
	initial Operating Permit	Operating Permit Modification

SECTION 1: ADMINISTRA	ATIVE INFORM	ATION AND RE	SPONSIBLE OF	FICIAL CERTI	FICATION
Part A: Company Informatio	n				
Company Name:	Purina Animal Nut	rition, LLC			
Company Address:	5500 N. Cotner Blv	vd			
Company City:	Lincoln	Company State:	Nebraska	Company ZIP:	68507
Is the business	✓ Yes	If so, name the st	ate where	Minnesota	
incorporated?	No	incorporated:			
Part B: General Facility Infor					
Facility Name:	Purina Animal Nut	rition, LLC			
LLCHD Facility ID #:	00020				
Facility Physical Address:	5500 N. Cotner Blv	vd			
Facility City:	Lincoln	Facility State:	Nebraska	Facility ZIP:	68507
	311119	Other Animal Food	d Manufacturing		
Facility NAICS Code(s):					
i demity italiee eede(e).					
Is the facility located within	✓ Yes	If so, which	✓ Iowa	Kansas	✓ Missouri
50 miles of another state? Is the facility located on	☐ No☐ Yes	state(s)?			
leased property?	☑ Yes				
Part C: Contact Information					
Facility Contact Person:	Beau Bartlett				
Facility Contact Person Title					
or Responsibility:	Plant Manager		<del>-</del>		
Phone Number:	402-46	65-1662	E-Mail:	vwbartlett@la	andolakes.com
Alternate Phone Number: (optional)			Fax Number: (optional)		
Who is the primary contact	✓ Facility Contact	ct Person	[(Optiorial)		
for questions regarding this	Other	, c.			
application?					
			4		

# SECTION 1: ADMINISTRATIVE INFORMATION AND RESPONSIBLE OFFICIAL CERTIFICATION

Part D: Permit Information							
Does this facility currently hol	ld an operating p	ermit issued by the LLCF	ID?	<b></b> Yes	☐ No		
If so, what type of operating p	ermit does the	Class I (Title V) - Major	Source	✓ Class II - M	inor Source		
facility hold?		Class II - Synthetic Min	or Source				
What is the expiration date of	the operating pe	mit you currently hold?			9/12/2021		
Does this facility currently hol LLCHD?	ld one or more co	nstruction permits issue	ed by the	☐ Yes	✓ No		
If you know what type of perm	nit you are	☐ Class I (Title V) - Major	Source	✓ Class II - Minor Source			
applying for, check the appro	priate box:	Class II - Synthetic Min	or Source	🗌 I do not kn	ow permit type.		
Part E: Responsible Official C	Certification						
Compliance Certification	facility that emits applicable require	air pollutants, which is ider ments identified in Section	ntified in this a n 9:	application and	d that is subject to the		
<b>✓</b> Agree				•			
Disagree	3. Will comply wit	n all applicable requiremer	nts for which	compliance is	not currently achieved		
Truth and Accuracy Certification  Agree  Disagree	inquiry, the staten application are tru	ents and information cont e, complete, and accurate	ained in this	Air Quality Op	erating Permit		
Electronic Copy Certification  Agree  Disagree  Not Applicable	inquiry, the staten	ents and information cont	ained in the e	electronic copy	y of the Air Quality		
Citizenship Attestation	( <u>heck one</u> ): I am a citizen o		. Stat. §§4-10	08 through 4-1	14, I attest as follows		
<ul><li>✓ Agree</li><li>☐ Disagree</li></ul>	Class II - Minor Source   Class II - Minor M						
Responsible Official Name: (printed or typed)	Beau Bartlett						
Responsible Official Title:	Plant Manager						
Responsible Official Signature:	IS. BART						
Date:	15. BART						



# **SECTION 2: DETAILED SOURCE INFORMATION**

Part A: Operating Schedule				
Is this source operated seasonally, or year-round?	☐ Seasonal	✓ Year-Round		
		-	-	
Provide the normal operating			Hours per Day:	16
schedule:			Days per Week:	5
Door the course energic under or	a altarnativa	□ Vaa	Weeks per Year:	52
Does the source operate under an schedule on a regular basis?	n aiternative	☐ Yes ☑ No		
Part B: Facility Description				
On separate sheet(s) of paper, prov may result in the discharge of an air identification numbers. The narrative	pollutant. Includ	e all emission point	s, emission units, բ	pollution control equipment, and
Is a Facility Description attached to	your application?	)	☐ Yes ☑ No	If no, explain why on a separate sheet of paper.
Part C: Facility Layout Diagram				
On a separate sheet(s) of paper, pro and units, control equipment, tanks, identified, drawn to scale, and cons of all buildings, structures, stacks, a identified and described. Be sure to diagram.	etc. identified in istent with other sand property bour	this application. Ma sections of this appl daries. Fences or o	ake sure all elemen lication. The facility other public access	ts in the drawing are properly diagram should show the location restrictions should be shown or
Is a Facility Layout Diagram include	d with your appli	cation?	☐ Yes ☑ No	If no, explain why on a separate sheet of paper.
Part D: Process Flow Diagram				
On separate sheet(s) of paper, prov may result in the discharge of an air identification numbers. The narrative	pollutant. Includ	e all emission point	s, emission units, p	pollution control equipment, and
Is a Process Flow Diagram included	with your applic	ation?	☐ Yes ☑ No	If no, explain why on a separate sheet of paper.



## **SECTION 2: DETAILED SOURCE INFORMATION**

Part E: Emission Calculations	
Indicate which method(s) will b	pe used to calculate emissions: (check all that apply)
☑ AP-42 or WebFIRE Emission Fa	ctors
✓ Emission Factors from Stack Te	sting *
☐ Material Mass-Balance Calcula	tions *
Other (specify >>>>) *	
Other (specify >>>>) *	
Other (specify >>>>) *	
, ,	tion methods other than those provided in AP-42 or WebFIRE, attach a copy of any alternate stresslts) and/or emission calculations as an attachment to this application.
Indicate how material and/or fu	ıel use will be substantiated:
Material / Fuel Supplier Record	l(s)
☐ Material / Fuel Use Logbook(s)	
✓ Receiving / Load-Out Scale Tick	rets
Other (specify >>>>)	
Other (specify >>>>)	
Other (specify >>>>)	



#### **SECTION 3 - EMISSION POINT SUMMARY**

#### Table 3-A: Emission Unit Identification

Emissio	on Unit #	Source Classification	Furtherland Relat Recordation	Emission Comment Description		
Point #	Segment #	Code # (SCC)	Emission Point Description	Emission Segment Description		
1	1	3-02-008-02	Grain Receiving	Truck Receiving		
2	1	3-02-008-02	Grain Receiving	Rail Receiving		
3	1	3-02-008-02	Grain Receiving	Liquid Plant Receiving (Dry Ingredients)		
4	1	3-02-005-40	Grain Handling	Bin Vents Mill		
5	1	3-02-005-40	Grain Handling	Bin Vents Liquid Plant		
6	1	3-02-008-17	Grain Milling	Hammermill with Baghouse		
7	1	3-02-008-16	Pelletizing	Sprout Pellet Cooler w/Hi-Efficiency Cyclone		
8	1	3-02-008-16	Pelletizing	CPM Pellet Cooler w/Hi-Efficiency Cyclone		
9	1	3-02-008-03	Feed Shipping	Bulk Loadout		
10	1	1-02-006-02	400 HP Industrial Boiler	Natural Gas		
11	1	A22-94-000-000	Haul Roads - Paved	Fugitive Particulate		
11	2	A22-96-000-000	Haul Roads - Unpaved	Fugitive Particulate		
12	1	3-02-005-40	Storage Bin Vents (Grain Storage)	Whole and Cracked Grain Storage		
13	1	3-02-008-09	Feed Manufacture Mixing/Blending	Micro Room Ventilation		
14	1	3-02-008-09	Feed Manufacture Mixing/Blending	Manual Addition at Mixer		



#### **SECTION 3 - EMISSION POINT SUMMARY**

#### Table 3-B: Stack / Release Point Information

\* Stack information not required for fugitive sources.

Emission Unit#	Associated Emission Unit	Latitude	Longitude	Elevation	Stack Height	Stack Inside Diameter	Exhaust Temp.	Exhaust Exit Velocity	Exhaust Flow Rate	Vertical, Horizontal,	Raincap Present?
Unit #		(decimal deg.)	(decimal deg.)	(feet a.s.l.)	(feet)	(feet)	(°F)	(feet/sec)	(cu. feet/sec)	or Fugitive	Present?
1-1	Grain Receiving	40.868611	-96.616111	1,145.00	10.00	1.13	70.00	49.86	50.00	Horizontal	No
2-1	Grain Receiving									Fugitive	
3-1	Grain Receiving	40.867778	-96.616389	1,145.00	10.00	1.13	70.00	49.86	50.00	Horizontal	No
4-1	Grain Handling	40.868611	-96.615833	1,145.00	140.00	0.50	70.00	1.28	0.25	Vertical	Yes
5-1	Grain Handling	40.867778	-96.616667	1,145.00	70.00	0.50	70.00	1.28	0.25	Vertical	Yes
6-1	Grain Milling	40.868611	-96.615556	1,145.00	10.00	0.83	70.00	53.52	29.17	Horizontal	No
7-1	Pelletizing	40.868611	-96.615556	1,145.00	55.00	2.84	80.00	45.62	288.99	Horizontal	No
8-1	Pelletizing	40.868611	-96.615556	1,145.00	96.00	2.67	80.00	37.33	209.01	Horizontal	No
9-1	Feed Shipping									Fugitive	
10-1	400 HP Industrial Boiler	40.868611	-96.616111	1,145.00	28.00	2.00	400.00	5.31	16.68	vertical	yes
11-1	Haul Roads - Paved									Fugitive	
11-2	Haul Roads - Unpaved									Fugitive	
12-1	Storage Bin Vents (Grain										
13-1	Feed Manufacture Mixing/B										
14-1	Feed Manufacture Mixing/B										



# **SECTION 4 – INSIGNIFICANT ACTIVITIES**

## **Table 4-A: Insignificant Activities List**

Insignificant Activity Type	Description of Insignificant Activity
Micro room ventilation filter	Keeps work stations free from particles
Calcium Pneumatic Receiving system	Filter on top of calcium bin
Hand add filter	Draws air from manual dump holes at the mixer
Calcium 80X receiver filter	Filter on top of calcium 80X bin



# **SECTION 4 - INSIGNIFICANT ACTIVITIES**

## Table 4-B: Fuel Storage and Distribution Equipment Information

Equipment ID	Installation Date	Fuel Type	Maximum Capacity (gallons) <u>or</u> Maximum Flow Rate (gals/min)	Vapor Pressure @ Standard Conditions (psi)
Diesel Tank	10/18/2002	No. 2 FO for Payloader & Lawn Equipment	2000 cap	.40 mg HG

Page 8



Lincoln-Lancaster County Health Department
Air Quality Program

## SECTION 5 - MAXIMUM POTENTIAL TO EMIT (MPTE)

#### Table 5-A: Facility-Wide MPTE – Regulated Air Pollutant Emissions

Please list maximum potential emissions of all pollutants for each emission unit in pounds per year.

Emission Unit#	SCC Code	Hourly Process Rate	Process Rate Units	Max Annual Throughput	Emission Factor Source	PM <sub>10</sub>	PM <sub>2.5</sub>	NOx	SOx	voc	со	GHGs (CO <sub>2</sub> e)	LEAD	Total HAP
1-1	3-02-008-02	30.00	Tons	262,800	AP-42	329.00	55.93	-	-	-	-	-	-	-
2-1	3-02-008-02	56.00	Tons	490,560	AP-42	613.20	104.24	-	-	-	-	-	-	-
3-1	3-02-008-02	56.00	Tons	490,560	AP-42	1,226	208.49	-	-	-	-	-	-	-
4-1	3-02-005-40	86.00	Tons	753,360	AP-42	4,746	806.82	-	-	-	-	-	-	-
5-1	3-02-005-40	56.00	Tons	490,560	AP-42	3,091	525.47	-	-	-	-	-	-	-
6-1	3-02-008-17	10.00	Tons	87,600	AP-42	1,051	178.70	-	-	-	-	-	-	-
7-1	3-02-008-16	20.00	Tons	175,200	AP-42	3,381	574.77	-	-	-	-	-	-	-
8-1	3-02-008-16	20.00	Tons	175,200	AP-42	8,112	1,379	-	-	-	-	-	-	-
9-1	3-02-008-03	50.00	Tons	438,000	AP-42	175.00	29.75	-	-	-	-	-	-	-
10-1	1-02-006-02	0.0131	MMCF	114.76	AP-42	872.15	872.15	11,476	68.85	631.16	9,640	1.4E+07	0.06	215.74
11-1	A22-94-000-000	0.2277	VMT	1,995	AP-42	232.44	57.05	-	-	-	-	-	-	-
11-2	A22-96-000-000	0.0759	VMT	665.00	AP-42	519.25	51.92	-	-	-	-	-	-	-
12-1	3-02-005-40	86.00	Tons	753,360	WebFire	4,746	828.70	-	-	-	-	-	-	-
13-1	3-02-008-09	1.00	Tons	8,760	AP-42	15.00	-	-	-	-	-	-	-	-
14-1	3-02-008-09	0.5000	Tons	4,380	AP-42	7.00	-	-	-	-	-	-	-	-



## SECTION 5 - MAXIMUM POTENTIAL TO EMIT (MPTE)

#### Table 5-B: Facility-Wide MPTE – VOC Emissions from VOC-Containing Materials

Please list the maximum throughput of all materials used that contain Volatile Organic Compounds, and show amount of VOC emitted.

Material Name	Manufacturer	Emission Unit #(s)	Material Purpose	Material Throughput	Product Density	VOC C	content t one)	Total VOC	Release Factor	Total VOC Emissions
		Offic #(s)		(gallons)	(lbs/gallon)	(weight %)	(lbs/gallon)	(pounds)	(% release)	(pounds)
										<b></b>



#### **SECTION 5 – MAXIMUM POTENTIAL TO EMIT (MPTE)**

For a complete list of EPA regulated Hazardous Air Pollutants, including CAS Numbers, click here.

#### Table 5-C: Facility-Wide MPTE - HAP Emissions from HAP-Containing Materials

Please list the maximum throughput of all materials used that contain Hazardous Air Pollutants (HAP) and show amount of HAP emitted.

Material Name	HAP Name	HAP CAS#	Emission Unit #(s)	Material Throughput	Throughput		HAP Content	Product Density (lbs/gallon)	HAP Throughout (pounds)	Release Factor (% release)	Total HAP Emissions (pounds)
Manganese Oxide	Manganese Compounds	7439-96-5	7-4, 8-4	1,082,000	pounds	60.00	weight %		649,200.0	0.00%	16.2



Lincoln-Lancaster County Health Department Air Quality Program

# **SECTION 5 – MAXIMUM POTENTIAL TO EMIT (MPTE)**

# Table 5-D: Maximum Potential to Emit and Operating Permit Thresholds

Criteria Pollutant Name	Emissions (tons per year)	Class II Permitting Threshold (tons per year)	Meet or Exceed?	Class I Permitting Threshold (tons per year)	Meet or Exceed?
PM <sub>10</sub>	14.56	15.0	No	100.0	No
PM <sub>2.5</sub>	2.84				
NOx	5.74	40.0	No	100.0	No
SOx	0.03	40.0	No	100.0	No
VOC	0.32	40.0	No	100.0	No
CO	4.82	50.0	No	100.0	No
Lead	0.00	0.6	No	5.0	No
GHGs	6,926.28				
HAP Category	Emissions	Class II Permitting Threshold	Meet or Exceed?	Class I Permitting Threshold	Meet or Exceed?
	(tons per year)	(tons per year)		(tons per year)	
Greatest Single HAP	0.01	2.5	No	10.0	No
Total Combined HAP	0.11	10.0	No	25.0	No



# **SECTION 6: DETERMINATION OF SOURCE CLASS**

Part A: Operating Permit Class	
The maximum potential emissions from your facility do not meet or exceed a your source does not require a permit, and you are not required to Complete	
	☐ Yes ☐ No
	☐ Yes ☐ No
Part B: Source Elected Requirements for Synthetic Minor Sources	
Not applicable.	
Not applicable.	
Not Applicable.	☐ Yes ☐ No
Not Applicable.	☐ Yes ☐ No
Part C: Source Elected Requirements for Synthetic Area Sources of HAPs	
Not Applicable.	
Not Applicable.	
Not Applicable.	☐ Yes ☐ No
Not Applicable.	☐ Yes ☐ No

Part D: Source Elected Requirements for Actual Emission	on Reductions
Not Applicable.	
Not Applicable.	
Not Applicable.	✓ Yes □ No
Not Applicable.	
Not Applicable.	✓ Yes □ No
Indicate in Table 6-A what throughput limits and control	equipment requirements you will agree to accept.



#### **SECTION 6 – DETERMINATION OF SOURCE CLASS**

#### Table 6-A: Source-Elected Throughput Limits and Emission Control Requirements

In the table below, indicate which emission units you will either accept throughput limits on, or to which you will agree to apply control equipment.

Emission Unit #	SCC Code	Agree to Throughput Limit?	Maximum Annual Throughput	Annual Throughput Limit	Throughput Units	Agree to Emission Controls?	Control Device ID	Control Type	If 'Other', Specify Type
1-1	3-02-008-02	Yes	262,800	262,800	Tons/yr	No			
2-1	3-02-008-02	Yes	490,560	490,560	Tons/yr	No			
3-1	3-02-008-02	Yes	490,560	490,560	Tons/yr	No			
4-1	3-02-005-40	Yes	753,360	753,360	Tons/yr	No			
5-1	3-02-005-40	Yes	490,560	490,560	Tons/yr	No			
6-1	3-02-008-17	Yes	87,600	87,600	Tons/yr	Yes	Grinder Bag House	Fabric Filter	
7-1	3-02-008-16	Yes	175,200	175,200	Tons/yr	Yes	Sprout cooler cyclone	Cyclone	
8-1	3-02-008-16	Yes	175,200	175,200	Tons/yr	Yes	CPM cooler cyclone	Cyclone	
9-1	3-02-008-03	Yes	438,000	438,000	Tons/yr	No			
10-1	1-02-006-02	Yes	114.76	115	MMCF/yr	No			
11-1	A22-94-000-000	Yes	1,995	750	VMT/yr	No			
11-2	A22-96-000-000	Yes	665.00	2,000	VMT/yr	No			
12-1	3-02-005-40	Yes	753,360	753,360	Tons/yr	No			
13-1	3-02-008-09	Yes	8,760	8,760	Tons/yr	Yes	Micro Room Ventilation Filter	Fabric Filter	
14-1	3-02-008-09	Yes	4,380	4,380	Tons/yr	Yes	Hand Add Filter	Fabric Filter	



# SECTION 7 – ACTUAL POTENTIAL TO EMIT (APTE)

#### Table 7-A: Facility-Wide APTE – Regulated Air Pollutant Emissions

Shown below is your source's potential emissions after applying any operational limits or control equipment you elected in Section 6. Emissions are in units of pounds.

Emission Unit #	SCC Code	Annual Throughput	Throughput Units	PM <sub>10</sub>	PM <sub>2.5</sub>	NOx	SOx	voc	со	GHGs (CO <sub>2</sub> e)	LEAD	Total HAP
1-1	3-02-008-02	262,800	Tons/yr	329.00	55.93	-	-	-	-	-	-	-
2-1	3-02-008-02	490,560	Tons/yr	613.20	104.24	-	-	-	-	-	-	-
3-1	3-02-008-02	490,560	Tons/yr	1,226	208.49	-	-	-	-	-	-	-
4-1	3-02-005-40	753,360	Tons/yr	4,746	806.82	-	-	-	-	-	-	-
5-1	3-02-005-40	490,560	Tons/yr	3,091	525.47	-	-	-	-	-	-	-
6-1	3-02-008-17	87,600	Tons/yr	52.56	8.94	-	-	-	-	-	-	-
7-1	3-02-008-16	175,200	Tons/yr	1,352	229.91	-	-	-	-	-	-	-
8-1	3-02-008-16	175,200	Tons/yr	3,245	551.62	-	-	-	-	-	-	-
9-1	3-02-008-03	438,000	Tons/yr	175.00	29.75	-	-	-	-	-	-	-
10-1	1-02-006-02	115.00	MMCF/yr	874.00	874.00	11,500	69.00	632.50	9,660	1.39E+07	0.06	216.20
11-1	A22-94-000-000	750.00	VMT/yr	87.38	21.45	-	-	-	-	-	-	-
11-2	A22-96-000-000	2,000	VMT/yr	1,562	156.16	-	-	-	-	-	-	-
12-1	3-02-005-40	753,360	Tons/yr	4,746	828.70	-	-	-	-	-	-	-
13-1	3-02-008-09	8,760	Tons/yr	0.75	-	-	-	-	-	-	-	-
14-1	3-02-008-09	4,380	Tons/yr	0.35	-	-	-	-	-	-	-	-



## SECTION 7 - ACTUAL POTENTIAL TO EMIT (APTE)

#### Table 7-B: Facility-Wide APTE – VOC Emissions from VOC-Containing Materials

Please indicate whether you are accepting throughput limits or emission control requirements for VOC-containing materials. Emissions will be calculated in units of pounds.

Material Name – Manufacturer: Purpose	Emission Unit #(s)	Maximum Annual Throughput	Agree to Throughput Limit?	Annual Throughput Limit	Total VOC	Release Factor	Agree to Control Emissions?	Total VOC Emissions
		(gallons)	(Yes or No)	(gallons)	(pounds)	(% release)	(Yes or No)	(pounds)
								1
								l
								l



## **SECTION 7 – ACTUAL POTENTIAL TO EMIT (APTE)**

#### Table 7-C: Facility-Wide APTE – HAP Emissions from HAP-Containing Materials

Please indicate whether you are accepting throughput limits or emission control requirements for HAP-containing materials. Emissions will be calculated in units of pounds.

Material Name	HAP Name	CAS#	Emission Unit #(s)	Agree to Throughput Limit? (Yes or No)	Agree to Control Emissions? (Yes or No)	Maximum Annual Material Throughput	Material Throughput Units	Annual Throughput Limit	Control Device Type	Release Factor (% release)	Individual HAP Emissions (pounds)
Manganese Oxide	Compounds	7439-96-5	7-4, 8-4	No	Yes	1,082,000	pounds		Fabric Filter	0.00%	16.2
											ĺ

Rev. 6/2012 Table 7-C| APTE HAP Page 18



Lincoln-Lancaster County Health Department Air Quality Program

# SECTION 7 – ACTUAL POTENTIAL TO EMIT (APTE)

## **Table 7-D: Actual Potential to Emit and Operating Permit Thresholds**

Criteria Pollutant Name	Emissions (tons per year)	Class II Permitting Threshold (tons per year)	Meet or Exceed?	Class I Permitting Threshold (tons per year)	Meet or Exceed?
	, , ,	, , ,		, , ,	
PM <sub>10</sub>	11.05	15.0	No	100.0	No
PM <sub>2.5</sub>	2.20				
NOx	5.75	40.0	No	100.0	No
SOx	0.03	40.0	No	100.0	No
VOC	0.32	40.0	No	100.0	No
CO	4.83	50.0	No	100.0	No
Lead	0.00	0.6	No	5.0	No
GHGs	6,941.00				
HAP Category	Emissions	Class II Permitting Threshold	Meet or Exceed?	Class I Permitting Threshold	Meet or Exceed?
	(tons per year)	(tons per year)		(tons per year)	
		T .			
Greatest Single HAP	0.01	2.5	No	10.0	No
Total Combined HAP	0.11	10.0	No	25.0	No



Lincoln-Lancaster County Health Department
Air Quality Program

#### **SECTION 9: APPLICABLE RULES AND REQUIREMENTS**

#### PART A: Applicable Requirements of the LLCAPCPRS

Applicable requirements for your source may include maintaining allowable stack opacity, maintaining allowable particulate emissions for the total given heat input, adhering to fugitive dust regulations, adhering to the process weight/particulate emissions rates, adhering to all construction permit conditions, etc. In the boxes below, check all of those requirements in the LLCAPCPRS that may apply to your source, and identify the method by which you intend to demonstrate compliance with the requirement. If a requirement does not apply to your source, briefly explain the reason it does not apply.

Requirement Citation & Name	Does standard apply?	If "Yes", describe compliance method. If "No", explain reason it does not apply.
LLCAPCPRS Article 2, Section 18: New Source Performance Standards (40 CFR Part 60)	✓ Yes  ☐ No	Describe compliance with each applicable NSPS in Part B, below.
LLCAPCPRS Article 2, Section 19: Prevention of Significant Deterioration (PSD) of Air Quality	☐ Yes ☑ No	Not applicable
LLCAPCPRS Article 2, Section 20, paragraph (A)(1): Particulate Emission Stds. for Incinerators & Burn-Ovens	☐ Yes ☑ No	No incinerators or Burn Ovens on site
LLCAPCPRS Article 2, Section 20, paragraph (B): Particulate Emission Stds. for Combustion Units >10,000 & <10 MMBtu	☐ Yes ☑ No	Boiler 400 HP
LLCAPCPRS Article 2, Section 20, paragraph (C): Particulate Emission Stds. for Combustion Units <10,000 & >10 MMBtu	Yes No	Annual tune up
LLCAPCPRS Article 2, Section 20, paragraph (E): <20% Opacity of Visible Emissions	✓ Yes ☐ No	As required by permit
LLCAPCPRS Article 2, Section 20, Table 20-1: Process Weight Rate Particulate Emission Stds.	✓ Yes □ No	Emission rate calculations
LLCAPCPRS Article 2, Section 21: Compliance Assurance Monitoring (CAM) (40 CFR Part 64)	☐ Yes ☑ No	Does not apply to Class II sources, but Class I sources must give explanation in Part C.
LLCAPCPRS Article 2, Section 22, paragraph (A)(14): Standards for Pathological Material Incinerators	☐ Yes ☑ No	No pathological incinerator on site
LLCAPCPRS Article 2, Section 22, paragraph (C): Standards for Air Curtain Incinerators	☐ Yes ☑ No	No air curtains used at plant
LLCAPCPRS Article 2, Section 23: Hazardous Air Pollutants - Emission Standards (40 CFR Part 61)	☐ Yes ☑ No	If none apply, in Part C, list any that 'appear' to apply, but do not actually apply.
LLCAPCPRS Article 2, Section 24: Sulfur Compound Emissions - Existing Sources - Emission Standards	✓ Yes □ No	Annual boiler tune up if needed. Use only Natural Gas. Emission calculations using AP-42
LLCAPCPRS Article 2, Section 25: Nitrogen Oxides - Emission Standards for Existing Stationary Sources	✓ Yes □ No	Annual boiler tune up if needed . Use only Natural Gas. Emission calculations using AP-42
LLCAPCPRS Article 2, Section 26: Acid Rain (40 CFR Parts 72 through 78)	☐ Yes ☑ No	If none apply, in Part C, list any that 'appear' to apply, but do not actually apply.
LLCAPCPRS Article 2, Section 27: Hazardous Air Pollutants - Maximum Achievable Control Technology (MACT)	☐ Yes ☑ No	If none apply, in Part C, list any that 'appear' to apply, but do not actually apply.
LLCAPCPRS Article 2, Section 28: MACT Emission Standards (40 CFR Part 63)	✓ Yes □ No	Describe compliance with each applicable MACT standard in Part B, below.
LLCAPCPRS Article 2, Section 32: Dust - Duty to Prevent the Escape Of	✓ Yes  ☐ No	As required by permit



Lincoln-Lancaster County Health Department Air Quality Program

#### **SECTION 9: APPLICABLE RULES AND REQUIREMENTS**

#### PART B: Applicable Federal Regulations and Additional Applicable LLCAPCPRS

If your source is subject to any federal air regulations set forth under 40 CFR Parts 60, 61, 63, 64, 68, 82, or Parts 72-78, or to additional regulations set forth in the LLCAPCPRS not included in Part A, then in the spaces provided below, list all of those regulations that apply to your source. For each regulation that applies to your source, list which emission unit(s) the rule applies to, and attach a brief explanation of how you intend to comply with the rule.

Regulation Name	Regulation Citation	Emission unit(s) accord by this way to the
(e.g. NSPS for Grain Elevators)	(e.g. 40 CFR 60 Subpart DD)	Emission unit(s) covered by this regulation.
NESHAPS Area Source Standards for Prepared Feeds Manufacturing	40 CFR 63 Subpart DDDDDDD	Pellet Coolers and Bulk Loadouts, inspections and maintenance records
NESHAPS General Provisions	40 CFR Part 60, Subpart A	Plant, per permit requirements
NESHAPS General Provisions	40 CFR Part 63, Subpart A	Plant, per permit requirements
Boiler Area MACT Standards	40 CFR Part 63, Subpart JJJJJJ	Annual tune up
Small Boiler NSPS	40 CFR Part 60, Subpart Dc	400 hp Boiler
<u>i</u>		



Lincoln-Lancaster County Health Department Air Quality Program

#### **SECTION 9: APPLICABLE RULES AND REQUIREMENTS**

#### PART C: Non-Applicable LLCAPCPRS Regulations & Non-Applicable Federal Regulations

For those regulations that would appear to apply to your source, but do not actually apply to your source, use the spaces provided below to provide the citation of the regulation, as well as the reason(s) that the regulation does not apply to your source.

Regulation Citation (e.g. 40 CFR 60 Subpart DD)	Provide the reason(s) the regulation does not apply to your source.				
40 CFR Part 60, Subpart DD	Facility has less permanent storage capacity than regulation specifies				



# **SECTION 10: COMPLIANCE PLAN**

Part A: Compliance Status for Applicable Rules and Requirements							
Will your source be in compliance with all applicable rules and requirements identified in Section 9 of this application, including those that with compliance dates set to take place during the term of the permit?							
✓ Yes ☐ No	Proceed to Application Checklist.						
Part B: Applicable Rules ar	nd Requirements for Which Compliance I	s Not Achieved or Will Not Be Achieved					
Regulation Citation (e.g. 40 CFR 63 Subpart A)	Regulation Name (e.g. General Provisions)	Reason(s) why source will not be in compliance.					



# APPLICATION COMPLETENESS CHECKLIST

Does this application contain confidential information?	☐ Yes ☑ No	If "Yes" are application pages containing confidential data clearly marked?	☐ Yes ☑ No	
Continue with the remainder of the checklist.				
Will your source require a Class I (Title V) operating permit?			☐ Yes ☑ No	
Continue with the remainder of the checklist, and submit the original signed copy of the permit application when complete.				
Section Number & Name	Included With Application?	If not included, provide rea	son.	
Section 1: Administrative Information And Responsible Official Certification	✓ Yes  ☐ No			
Section 2: Detailed Source Information	☐ Yes ☑ No	Already on file		
Table 3-A: Emission Unit Identification	✓ Yes  ☐ No			
Table 3-B: Stack / Release Point Information	✓ Yes  ☐ No			
Table 4-A: Insignificant Activities List	✓ Yes  ☐ No			
Table 4-B: Fuel Storage and Distribution Equipment Information	✓ Yes  ☐ No			
Table 4-C: Insignificant Cooling Towers	☐ Yes ☑ No	Not applicable		
Table 5-A: Facility-Wide MPTE – Regulated Air Pollutant Emissions	✓ Yes  ☐ No			
Table 5-B: Facility-Wide MPTE – VOC Emissions from VOC- Containing Materials	☐ Yes ☑ No	Not applicable		
Table 5-C: Facility-Wide MPTE - HAP Emissions from HAP- Containing Materials	✓ Yes  ☐ No			
Table 5-D: Maximum Potential to Emit and Operating Permit Thresholds	✓ Yes  ☐ No			
Section 6: Determination Of Source Class	Yes No			
Table 6-A: Source-Elected Throughput Limits and Emission Control Requirements	✓ Yes  ☐ No			
Table 7-A: Facility-Wide APTE – Regulated Air Pollutant Emissions	✓ Yes  ☐ No			
Table 7-B: Facility-Wide APTE – VOC Emissions from VOC- Containing Materials	☐ Yes ☐ No	Not applicable		
Table 7-C: Facility-Wide APTE – HAP Emissions from HAP- Containing Materials	✓ Yes  ☐ No			
Table 7-D: Actual Potential to Emit and Operating Permit Thresholds	✓ Yes  ☐ No			
Section 8: Permit Shield	☐ Yes ☑ No	Not Class I		



## **APPLICATION COMPLETENESS CHECKLIST**

Section 9: Applicable Rules And Requirements	✓ Yes  ☐ No	
Section 10: Compliance Plan	☐ Yes ☑ No	No plan needed
Table 10-A: Compliance Schedule	☐ Yes ☑ No	No schedule needed